

27.5

Harvard Coöperative Society.

ANNOTATION LABEL

BOTANICAL MUSEUM OF HARVARD UNIVERSITY

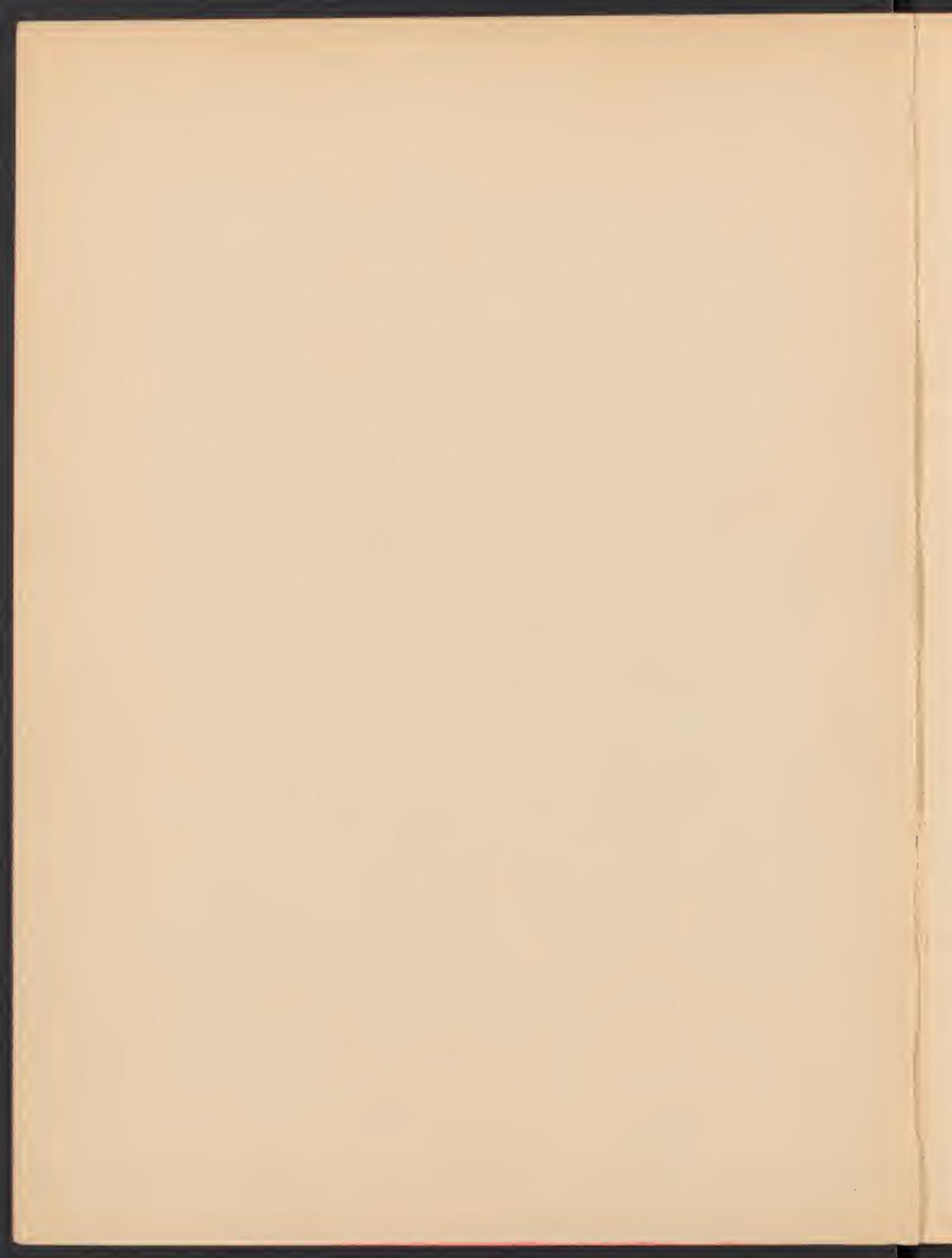
notes of Drs. B.L. Robinson + T.N. Greenman
on Lewis + Clark's plants (Miss Day's
hand writing? @ Dr. C. Perry)
see Meehan, Thomas, 1890 ("The Plants of--")
Proc. Acad. Nat. U.S.A., 1898: 12-49

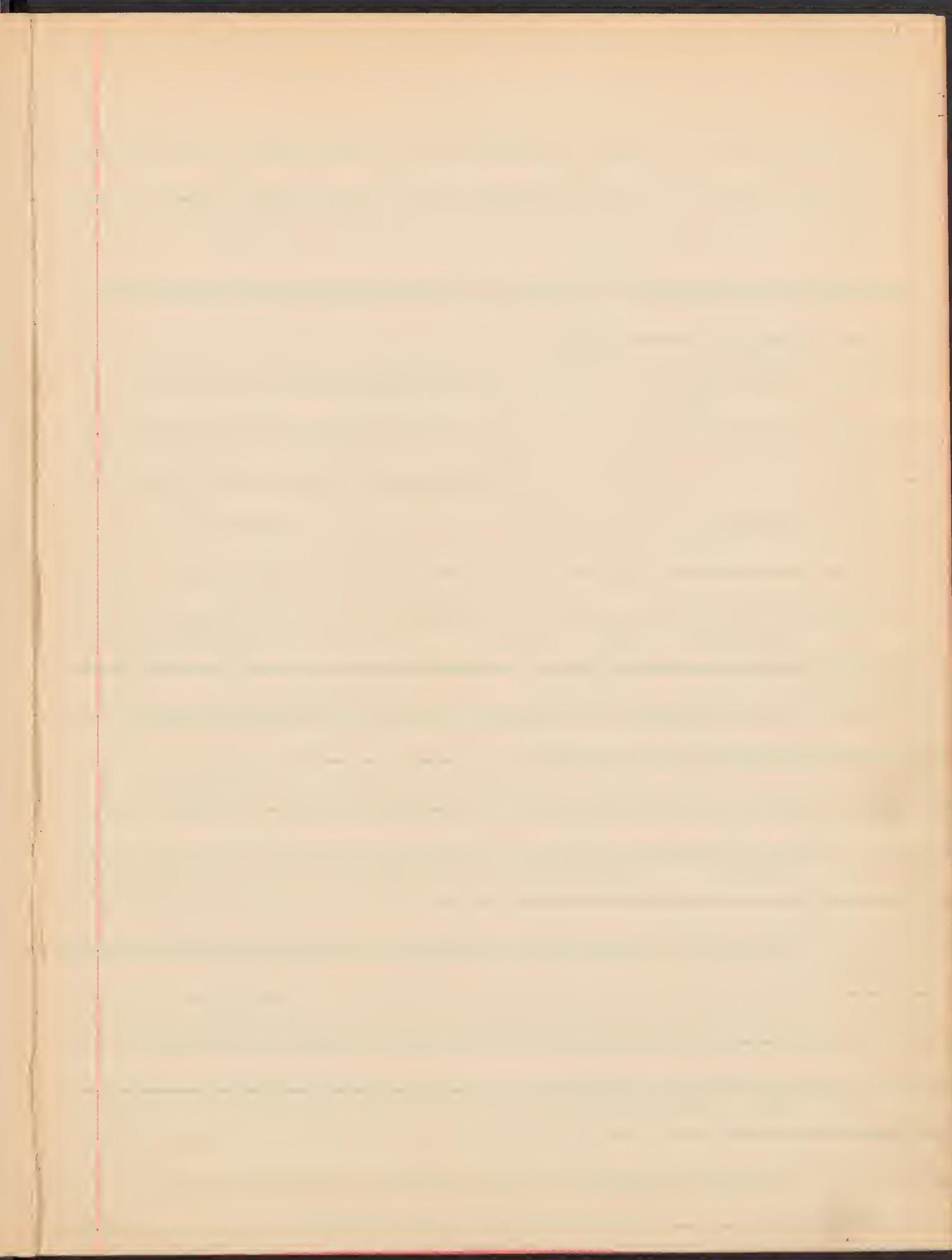
Robert Bye

1 cent.  1971

2001-42108
Lefthand

275





Present name of plant, followed by data on accompanying labels.

Bracketed notes added during identification.

Treatment of plant in Pursh's Flora,³ whenever specifically mentioned.

Bracketed notes added during identification.

Anemone Canadensis, L.

(*A. Pennsylvanica*, L.) Prairies;
in the camp near the old Maha
village. Aug. 17. 1804.

Anemone quinquefolia, L.

On the waters of the Kooskooskee,
June 15, 1806. [Flowering stem
with involucre.]

Clematis Douglasii, Hook.

[No label, a single flower
but well identifiable.]

[with scarcely a doubt *C. hirsutissima*, Pursh, Fl. 385, being the only species ascribed to Lewis' Herbarium.] On the plains of the Columbia river. 4. May. v.s. in Herb. Lewis.

Delphinium Menziesii, DC.

On the Columbia, April 14. 1806.

A sort of Larkspur with 3
styles. [Poor specimen.]

Dentaria tenella, Pursh. Pursh, Fl. 439. On the banks Columbia near Quicksands of the Columbia. 4. Apr. v.s. April 1, 1806. [Complete very slender plant.] in Herb. Lewis.

Erysimum asperum, DC. *E. lanceolatum*, Pursh, Fl. 436. On the Kooskooskee, June 1, 1806. (not R. Br.) On the banks [Whole plant, in flower.] of the Missouri. 8. June. v.s.

Cleome integrifolia, Torr. & Gray. *C. serrulata*, Pursh, Fl. 441.

Cleome serrulata, var. *rosea*, (On the banks of the novaspecies. Specimen from Missouri. 8. Aug. v.s. White River, August 29, 1806. in Herb. Lewis.)

Cleome - A new species.

[Poor specimen.]

[Leaves are slightly serrulate and name should stand.]

C. integrifolia, Torr. & Gray.

No. 43. August 25. growth of the open Prairies. Open prairies Aug. 25, 1804.

C. serrulata, Pursh, Fl. 441.

On the banks of the Missouri.

① Aug. v.s. in Herb. Lewis.

[Pursh says of it glabra which is certainly true of the stem and it may therefore be safely separated from the very pubescent-plant *Polanisia trachysperma*, T. & G. (?) with which the specimen is mixed.]

Cerastium arvense, L.

Plains of Columbia, Apr. 22, 1806. [Good specimen.]

C. elongatum, Pursh, Fl. 321.

On the plains of Columbia River. M. Lewis. 4. April. v.s. in Herb. Lewis.

Malvastrum coccineum, Gray

A malvaceous small plant - probably a species of Malope. Plains of Missouri July 20, 1806. [Good specimen.]

Cristaria coccinea, Pursh,

Fl. 453. (In dry prairies and extensive plains of Missouri.

24. Aug. v.v.; v.s. in Herb. Lewis.

Linum Lewisii, Pursh. Pursh, Fl. 210 On the
Perennial flax. Valleys of valleys of the Rocky: moun-
the Rocky mountains, July tain and on the banks of
9, 1806. [Excellent specimen.] the Missouri. M. Lewis.

4. July. v.v.

Claytonia lanceolata, Pursh. Pursh, Fl. 175, t. 3. On
Headwaters of the Kooskoos- the Rocky mountain.
kee, June 27, 1806. M. Lewis. 4. July. v.s.
[Good specimen.] in Herb. Lewis.

Lewisia triphilla, Rob.
On the waters of the Koos-
kooskee within the Rocky
mountains. June 27. 1806.
(*Claytonia triphylla*, Wats.)
[Extends range to Idaho.]

Lewisia rediviva, Pursh. The Indians eat the root of this. Near Clark's R. July 1, 1806. The calyx consists of 6 or 7 leaves the corolla many petals and stamens many capsule. [Several flowers only.]

Pursh, Fl. 368. On the banks of Clark's river. 4. July. v.s. in Herb. Lewis.

Montia parviflora, Howell, form. On the Columbia, in moist ground, March 26, 1806. [A very poor and indefinite specimen.]

Montia parviflora, Howell. Rocky camp. Apr. 17, 1806. [Good specimen.]

Claytonia perfoliata, Pursh (not Don), Fl. 176. On the Rocky-mountain. M. Lewis. O. Apr. May. v.v. in Hort.

Montia sibirica, Howell. Columbia R. Apr. 8, 1806- [Fair specimen.]

Claytonia alsinoides, Pursh, Fl. 175. On the Columbia river. M. Lewis. O. May, June. v.v. in Hort.

Pachystima Myrsinoides, Raf.
Rocky mountains. June 16, 1806

Ilex? *myrsinoides*, Pursh, Fl. 119
On the Rocky mountains
and near the Pacific Ocean.
M. Lewis. T. July, Aug. v.s.
in Herb. Lewis.

Pachystima Myrsinoides, Raf.
A small shrub about 4 feet high
with a small deep purple berry,
evergreen. Near the Pacific
Ocean. Nov. 16, 1805. [Second
specimen.]

Pursh, Fl. l.c.

Genothis velutinus, Dougl.
An evergreen. A shrub about 8
or 9 f. high. On the Rocky
mountains. Waters of the Koos-
kooch-ee. [Probably not the
G. sanguineus, Pursh, although
that species collected by Lewis
does not appear in collection.]

Rhamnus Purshiana, DC.

A shrub apparently a species of *Rhamnus*. About 12 feet high in clumps. fruit - a 5-valved purple berry which the natives eat and esteem highly. The berry depressed globous. On the waters of the Kooskoosky. May 29, 1806.

R. alnifolius, Pursh (not michx.)

Fl. 166. On the banks of the Kooskoosky, M. Lewis. 2. May. v. 3. in Oberb. Lewis.

Rhus Canadensis, var. *trilobata*,

Gray.

No. 57. Oct. 1, 1804. first discovered in the neighbourhood of the Kanceg river - now very common. the growth of the little copses which appear on the steep declivities of the hills where they are sheltered from the ravages of fire. Common on the declivity of hills. Oct. 1.

1804.

Cissus Ampelopsis, Pers.

near Counsel Bluffs, Missouri,

Sept. 14. 1806. [Leaves, stem,
peduncles, and pedicels. — Lewis'
specimen not mentioned by
Pursh, who gives range of species
as Alleghany Mts., Pennsylvania
to Carolina.]

Acer circinatum, Pursh.

A very handsome species of
maple. (In the great rapids of
Columbia. Oct. 1805. [Sterile
but highly characteristic and
unmistakable.]

Acer macrophyllum, Pursh.

A large timber tree from the
grand rapids of the Columbia.

Apr. 10. 1806. [A single leaf
but readily recognizable.]

Pursh, Fl. 267. (On the great
rapids of Columbia river.
M. Lewis. T. v.s.s. fl.

Pursh, Fl. 267. (On the great
rapids of the Columbia river
M. Lewis. T. Apr. v.s.

11

Polygala alba, Nutt.

A kind of Seneca snake-root;
On the Missouri R. Aug. 10. 1806.

[Fairly complete specimen.]

Polygala Seneca, var. *Tenuifolia*

Pursh, Fl. 750. On the Missouri,
Lewis and Bradbury, v. s.

Amorpha fruticosa, var. *r*
angustifolia, Pursh. On the
great bend of the Missouri, Aug. 27.
1806. [Good specimen in fruit.]

Pursh, Fl. 466, var. *r*. v. s. in
Herb. Lewis.

Astragalus missouriensis, Nutt.
No. 36. 18th Sept. the growth of
the high Prairies.

Astragalus mortoni, Nutt.

No. 46. The growth of the open
prairies taken 15th of Sept. 1804.

Astragalus - nov. spec. Open
prairies, Sept. 5. 1804. May
be *A. uralensis*? L.

* *Lupinus argenteus*, Pursh. Pursh, Fl. 468. On the banks of the Cokahlaishkit, July 1, 1806. Flowers yellowish-white. [Good specimen.] June, July. v.s. in Herb. Lambert. Flowers small cream-colored.

* *Lupinus sericeus*, Pursh. Pursh, Fl. 468. On the banks new species. Flowers cream-colored of the Kooskoosky. M. Lewis. 4. with a small tinge of blue. - , July. v.s. in Herb. Lewis. On the Kooskooskee, June 5, 1806. Flowers purple, or rose-colored. [Tolerable specimen.]

* The labels of these two specimens were confused.

Oxytropis mana, Nutt. var. *O. argentata*, Pursh, Fl. 473. Near the head of Clark's River. On the banks of Clark's river. July, 1806. [Differs from type M. Lewis. 4. July. v.s. in Herb. in having calyx teeth longer; Lewis. also plant larger, leaflets longer.]

Petalostemon violaceus, Michx. Pursh, Fl. 461. In Tennessee, On the Missouri. July 22, 1806. Illinois, and on the banks of [Stem, leaves, & spike of flowers.] the Missouri. 4. July-Sept. v.v.

Petalostemon violaceus, Michx. Pursh, Fl. L.C.

Found Sept. 2nd the Indians use it as an application to fresh wounds, they bruise the leaves adding a little water and apply it. [Sterile specimen only and accordingly doubtful.]

Psoralea argophylla, Pursh.

No. 48. No. 103. Oct. 17. 1804. A decoction of the plant used by the Indians to wash their wounds. [Sterile but characteristic specimen.]

Pursh, Fl. 475. On the banks of the Missouri. H. v.s.

Psoralea tenuiflora, Pursh.

Big bend of Missouri. Sept. 21, 1804. [Stem and leaves.]

Pursh, Fl. 475. On the banks of the Missouri. M. Lewis. H. Sept. v.s. in Herb. Lewis.

Trifolium megacephalum, Nutt.

A species of clover near Rockford Camp on high hills. Apr. 17. 1806. [Specimen consists of a head on peduncle and several detached leaves.]

Lupinaster macrocephalus, Pursh Fl. 479, T. 23. At the head waters of the Missouri. M. Lewis. H. April, May. v.s. in Herb. Lewis.

Trifolium microcephalum, Pursh. Pursh, Fl. 478. On the banks
Valley of Clark's R. July 1, 1806. of Clark's river. M. Lewis.
[Good specimen, corresponds
well with later plants placed
in species.]

Amelanchier alnifolia, Nutt. *Pyrus sanguinea*, Pursh, Fl. 340,
Service berry. A small bush, in part. In Canada and on
the narrows of Columbia River. the banks of the Columbia.
Apr. 15. 1806. T. Apr. May. v. v.

Crataegus Douglasii, Lindl. *C. glandulosus*, Pursh, Fl. 337,
Deep purple Haw. Columbia in part, not Willd. M. Lewis.
R. Apr. 29. 1806. Exq. collected it on the Rocky mountains.

Geum triflorum, Pursh.
On open ground common
on the waters of the Kooskoos-
kee, June 12, 1806. No. 2.

Geum ciliatum, Pursh, Fl. 352.
On the banks of the Kooskoosky.
H. June, v. s. in Herb. Lewis.

Pirus sambucifolia, Cham. & Schlecht.?
On the tops of the highest peaks & mountains
June 27. 1806. In the Rocky mountains. [Specimen
very poor, sterile not precisely determinable.]

5
Potentilla anserina, L.

The roots are eat - by the natives &
taste like sweet potatoes, grows in
marshy ground, Fort Clatsop, March

13, 1806.

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52.
y.

Potentilla fruticosa, L.

Prairy of the Knobs, July 5, 1806.

[Small but characteristic specimen.]

Pursh, Fl. 355. On the banks of
rivers in Canada and on the waters
of the Rocky-mountains, June - Aug.
Lewis. v.v. in Hortis. v.s. in Herb.

Lewis.

Prunus demissa, Nutt.

Prunus, a cherry found near
the beaver tents on the Missouri
Aug. 18, 1806. [Specimen poor and
sterile.]

Prunus Virginiana, L.

Prunus - Choak or Pidgeon cherry-

On the waters of the Kooskoosky.

29 May, 1806. [Specimen poor
and sterile.]

Prunus? Near the base of the Rocky mount on the west side near Collins's creek. The shrub about 6 or 7 feet high, June 27, 1806.
[Unrecognizable.]

Prunus? A shrub about 6 feet high from the Kooskooskee, May 7, 1806. [Unrecognizable, dark purple stem, elliptic serrulate leaves.]

Prunus sp. a smaller shrub than the choakberry, the natives count it a good fruit. (On the Kooskooskee. 29, May, 1806. [Too poor for identification.]

Purshia tridentata, DC. A shrub common to the open prairie of the Knobs, July 6, 1806. [Good specimen.]

Tigarea tridentata, Pursh. Fl. 333, t. 15. In the prairies of the Rocky-mountain and on the Columbia river. T. July. v. s. in Herb. Lewis.

7

Rosa Woodsii, Lindl.

No. 50. Oct. 18. The small rose
of the prairies - it rises from 12 to 14
Inches high - does not vine. *Rosa*
Open prairies. Sept. 5. 1804.

Rubus Nutkana, var. *velutina*,
Brew. A shrub of which the
natives eat the young sprout without
kooking. On the Columbia. Apr. 15. 1806.

Rubus spectabilis, Pursh.
Fruit like a raspberry, Columbia.
March 27. 1806. [A fairly good
specimen showing stem, leaves
and flowers.]

Pursh, Fl. 348, t. 16. On the banks
of the Columbia, M. Lewis. On
the north west coast, Menzies. t.
Apr. May. v.s. in Herb. Lewis,
nec non Banks.

Spiraea discolor, Pursh.
A shrub growing much in the
manner of Nine bark. (On the
waters of the Kooskooskee, May
29, 1806.

Pursh, Flora, 342. On the
banks of the Kooskoosky. t.
June, July. v.s. in Herb. Lewis.

12
14
Philadelphus Lewisii, Pursh? Pursh, Fl. 329.

A shrub from the Kooskoosky,
May 6, 1806. On *Philadelphus*?
[Sterile and too poor for certain
identification.]

Philadelphus Lewisii, Pursh.

On the waters of Clark's R.
July 4, 1806. [Fairly good
flowering specimen.]

Pursh, Fl. 329. On the waters
of Clark's river. T. July.
v.s. in Herb. Lewis.

Ribes aureum, Pursh.

Yellow flowering Currant. Near
the narrows of the Columbia R.
Apr. 16, 1806. [Very poor specimen.]

Pursh, Fl. 164. On the banks of
the rivers Missouri and Columbia.
M. Lewis. T. Apr. v.s. in Herb.
Lewis. v.v. in Hort.

Ribes aureum, Pursh.

Yellow Currant of the Missouri
July 29, 1805. [The thing but from
date not the type.]

Pursh, Fl. 164.

Ribes Mengesii, Pursh,?

Deep purple Gooseberry. Colum-
bia R. Apr. 8, 1806.

Fl. 732.

[Pursh does not mention Lewis,
specimen or its range.]

Ribes sanguineum, Pursh.

Columbia, March 27, 1806.

Pursh, Fl. 164. On the Columbia river. M. Lewis. $\frac{1}{2}$. March. v.s. in Herb. Lewis.

Ribes viscosissimum, Pursh.

Fruit indifferent and gummy.

The heights of the Rocky mountains North America.

June 16, 1806.

Pursh, Fl. 163. On the Rocky-

mountains in the interior of

North America. M. Lewis. $\frac{1}{2}$.

June, v.s. in Herb. Lewis.

Clarkia pulchella, Pursh.

A beautiful herbaceous plant from the Kooskooskee & Clark's

R. June 1, 1806. [Fair specimen.]

Pursh, Fl. 260. t. 11. On the

Kooskoosky and Clark's rivers.

M. Lewis. $\frac{1}{2}$. June. v.s.

Oenothera cæspitosa, Nutt.

Near the falls of the Missouri.

17 July, 1806. [Good specimen.]

O. cæpigera, Pursh, Fl. 263. On the

falls of the Missouri. M. Lewis. $\frac{1}{2}$.

July. v.s.

O. cæspitosa, Pursh, Fl. 735. On

the banks of the Missouri. M. Lewis.

$\frac{1}{2}$. June, July. v.s. specimen imperfectum in Herb. Lewis.

Comandra heterantha, Nutt.

In moist-ground on the
Squarnash flats. June 14, 1806.
[Good specimen.]

Sedum stenopetalum, Pursh. Pursh, Fl. 324. On rocks on
Valley of Clark's River. July 1, the banks of Clark's river
1806. On the Naked rocks on and Kooskoosky. 4. June,
the Kooskooskee, June 5, 1806. July. v.s. in Herb. Lewis.

Angelica - within the Rocky
mountain in moist places.

June 25, 1806. The flowering
one taken in Sept. 3rd, 1805.

[Label only.]

[Probably a *Puccinellia*,
poor specimen, no fruit.]
A large fusiform root which
the natives prepare by baking.
Near the Sepulchre Rock. On
the Columbia River. April 14.

1806.

Peucedanum leiocarpum, Nutt. *Smyrnium nudicaule*, Pursh,
Supposed to be a *Smyrnium*. Fl. 196. On the Columbia river. M.
The natives eat the tops and boil Lewis. 24. Apr. May. v. s. in Herb.
it sometimes with their soup. Lewis. The natives eat the tops
On the Columbia. April 15, 1806. of this plant and boil it in their
soups, the same as we do celery.
[Erroneously placed under *Ferula*
and *Peucedanum nudicaule*, Nutt.]

Peucedanum simplex, Nutt. (or
P. triternatum, Pursh.) A root 5
or 6 inches long eaten raw or
boiled by the natives. On the
Kooskooskee. May 6. 1806.

[Leaves only and species very
doubtful. *P. triternatum* is
said to grow on the waters of
the Columbia.]

22

Peucedanum utriculatum, Nutt.? A great horse medicine among the natives. (On the waters of the Hoos-kooskee, June 10, 1806. grows on rich upland. [Specimen poor and not certainly identifiable.] *Thellandrium aquaticum*, Pursh (not L.) Fl. 195. (On the waters of the Rocky-mountain, M. Lewis, 24. July. v.s. in Herb. Lewis. The Indians of that country use it as a medicine in the diseases of horses.

An umbelliferous plant of the root of which the Wallallows make a kind of bread. The natives called it Shappalell.

Apr. 29. 1806. [Sterile and not placed - leaves and root.]

[Label only.]

A species of fennel root eaten by the Indians, of an annis-seed taste. Flowers white.

Columbia River, Apr. 25. 1806.

[Unidentifiable.]

An umbelliferous plant with large fusiform root which the natives bake and eat. On the Columbia.

Apr. 15. 1806.

[Unidentifiable, stems only.]

An umbelliferous plant of which the natives don't eat the root.

On the Columbia. Apr. 14. 1806.

Cornus Canadensis, L.

Root horizontal - June 16. 1806.

Collins Creek.

Lonicera ciliosa, Poir.

On the Kooskooskee, June 5, 1806.

Caprifolium ciliosum, Pursh,

Fl. 160. On the banks of the Kooskoosky - M. Lewis. T. June, v.s. in Herb. Lewis.

Lonicera ciliosa, Poir.

Rocky mountain. June 16, 1806.

[Poor and sterile but characteristic.]

Caprifolium ciliosum Pursh.

l.c. [but not type specimen.]

Sonicera involucrata, Banks.

Shrub within the Rocky mountains found in moist ground near branches of rivulets, July 17. 1806. No. 5. found on the waters of the Columbia, Sept. 2. 1805. the growth of a moist situation seldom rises higher than 6 or 8 feet - puts up a number of succulent sprouts forming a thick bush.

[Stems only.]

Achillea millefolium, L.

Cap on the Hooskooskee, May. 20. 1806.

A. tomentosa, Pursh (not Willd.)

Fl. 563. On the banks of the Hooskoosky. M. Lewis. 24. June. v. s. in Herb. Lewis.

Astropappus spinulosus, DC.

Prairies Sept. 15. 1804.

Amelanchia spinulosus, Pursh. Fl.

564. In open prairies on the Missouri. M. Lewis. 4. Aug. Sept. v. s. in Herb. Lewis.

Aplopappus sp.

On the Columbia, Oct. 1805.

Artemisia cana, Pursh.

No. 55. Oct. 2. 1804. growth of
the high Bluffs.

Pursh, Fl. 521. On the missouri.

M. Lewis. 4. Sept.-Nov. u.s. in
Herb. Lewis.

Artemisia cana, Pursh.

On the bluffs. Oct. 2. 1804.

Pursh, Fl. l. c.

Artemisia cana, Pursh.

On the bluffs. Oct. 1. 1804.

Pursh, Fl. l. c.

No. 60, 1804, Oct. 1. Another variety
of wild sage growth of high and
bottom prairies.

Artemisia dracunculoides, Pursh A. *Dracunculus*, Pursh (not L.)

No. 52. Sept. 15, 1804. growth of the Fl. 521. On the missouri.

open plains. On the bluffs. Sept. M. Lewis. 4. Aug.-Oct. u.s.
15. 1804. [Good specimen.] in Herb. Lewis.

Artemisia frigida, Willd. Pursh, Fl. 521. On the plains
No. 41. found on the bluffs the of the Missouri. M. Lewis.
^{2nd} of Sept. 1804. is the growth 4. Oct. Nov. v.s. in Herb. Lewis.
of open high situations. On the bluffs. Sept. 2. 1804.
[Good specimen.]

Artemisia frigida, Willd. Pursh, Fl. l.c.
No. 51. 1804, Oct. 3, radix
perennial. 3 to 8 stalks as
high as the specimen - growth
of the high sides of the Bluffs.

Artemisia longifolia, Nutt. *A. integrifolia*, Pursh (not Willd.)
Wild sage on the bluffs. Oct. Fl. 520. On the cliffs and dry
1. 1804. No. 53. Oct. 3. flavor savannahs of the Missouri.
like the camomile - radix M. Lewis. 4. Oct. v.s. in Herb.
perennial growth of the Lewis. about three feet high.
high Bluffs.

Artemisia Ludoviciana, Nutt.?
Artemisia species. Columbia
R. Apr. 10. 1806. *Artemisia*-
Rockford Camp.

Aster oblongifolius, Nutt.

Big Bend of the Missouri, Sept.

21, 1804.

Aster Oregonus, Nutt.

On Lewis River, October, 1805.

Balsamorrhiza sagittata, Nutt. *Buphthalmum sagittatum*, Pursh
Rocky mountains - Dry hills. Fl. 564. On dry barren hills, in
July 7, 1806.

the Rocky mountains. M. Lewis.

4. June, July. v.s. in herb.
Lewis. The natives eat the young
stems as they spring up, raw.

Balsamorrhiza sagittata, Nutt. *Buphthalmum sagittatum*,
The stem is eaten by the natives Pursh, l.c.
without any preparation. On the
Columbia, April 14, 1806.

[*Bidens*-like composite, too
poor to identify.] (On

Lewis River. Oct. 1805.

Bigelowia graveolens, Gray.
A low shrub growing in the
rocky dry hills on the Koos-
kooskee. May 6, 1806.

Bigelowia graveolens, Gray.
No. 54. Oct. 2. grows from 18
inches to 2½ feet- many stalks
from the same root, from which
they issue near the ground- the
radix perennial. The goat-
or antelope feed on it in the
winter, it is the growth of
the high bluffs. High Bluffs;
goats feed upon. 18 inches
high. Oct. 2, 1804.

Bigelowia graveolens, var.
albicaulis, Gray.
15 Oct. 1805, on the Columbia
river.

Chrysocoma dracunculoides,
Pursh (not Lam.) Fl. 517. On
high cliffs on the banks of the
Missouri. M. Lewis. 4. Oct.
v.s. in Herb. Lewis.

Chrysocoma nauseosa, Pall.
in herb. Pursh, Fl. 517. On
the banks of the Missouri.
M. Lewis. 4. Oct. v.s. in Herb.
Lewis.

Crinum edulis, Gray.

Carduus - or *Thistle* - Roots
eatable. Fort Clatsop. March

13, 1806.

Eriophyllum cæpitosum, Dougl.
On the uplands on the Koos-
kooskee R. June 6, 1806.

Actinella lanata, Pursh, Fl.
560. On high lands of the Koos-
koosky. M. Lewis. 4. June,
July. v.s. in Herb. Lewis.

Gaillardia aristata, Pursh.
Rocky mountains. Dry
hills. July 7, 1806.

Pursh, Fl. 573. On dry hills on
the Rocky-mountains. M. Lewis.
♂. v.s. in Herb. Lewis.

Grindelia squarrosa, Dunal.
No. 40. Taken on the 17th of August,
1804, at our camp near the old
Maha village & is the growth of the
Prairies. *Anonymous balsamifera*

Donia squarrosa, Pursh, Fl. 559.
In open prairies on the banks
of the Missouri. M. Lewis. 4.
Aug. Sept. v.s. in Herb. Lewis;
v.v. cult.

New genus. Prairies; in the camp
near the old Maha village, Aug.
17, 1804. [Good specimen.]

Gutierrezia Euthamiae, Torr.

In Gray. No. 32. Specimens of aromatic plants on which the

Antelope feeds - these were obtained Sept. v.s. in Herb. Lewis.

21st of Sept. 1805, at the upper part of the big bend of the Missouri.

Upper part of the big bend of the Missouri, Sept. 21, 1804.

Solidago Sarothrae, Pursh, Fl.

540. On the plains of the Missouri. M. Lewis. 24.

Gutierrezia Euthamiae, Torr. &

Gray. No. 59. 1804, 19th September

the growth of high and bear prairies which produce little grass, generally mineral earth. High bear prairies mineral earth with very little grass. Sept. 19, 1804.

Solidago Sarothrae, Pursh, Fl. l. c.

Liatris pycnostachya, Michx.

No. 35. Sept. 15, growth of the prairies. Prairies Sept. 15. 1804.

Scirpus scariosa, Willd.

No. 53. 12th September. growth of high and dry prairies. High and dry prairies Sept. 12. 1804.

[Lewis specimen not mentioned by Pursh.]

Matricaria discoidea, DC.

An agreeable smell. On the Kooskooskee, June 9, 1806.

Santolina saaveolens, Pursh,
Fl. 520. On the banks of the Kooskooskee. M. Lewis. O. June, - Aug.
v.v.; v.s. in Herb. Lewis.

Microseris macrochaete, Gray.

Rock camp. April 17. 1806.

Solidago rigida, L.

High dry prairies. Sept. 13, 1804.

[Composite? Poor, sterile and not placed - leaves opposite, much divided into narrow segments, very pubescent.] One of the most common plants of the plains of Columbia. May 27. 1806.

Arctostaphylos Uva-ursi, Spreng. *Arbutus Uva-ursi*, Pursh (not no. 33. An evergreen plant which grows in the open plains usually. the natives smoke its leaves mixed with tobacco called by the French Engagee (?) Sacacommis. obtained at Fort Mandon. Fort Mandon - open plains - evergreen called Sacacommis, natives smoke its leaves.

Willd.) Fl. 283. On the plains of the Mississippi the Indians smoke the leaves under the name of Sacacommis, and consider them of great medicinal virtue.

Fort Mandon - open plains - evergreen called Sacacommis, natives smoke its leaves.

Arbutus Menziesii, Pursh. A middle sized tree with a remarkable smooth bark which scales off in the manner of the birch; red berries in clusters.

Columbia R. Nov. 1. 1805.

Pursh, Fl. 282. [but does not mention Lewis's specimen.]

Gaultheria Shallon, Pursh. The Shallon; supposed to be a species of *Vaccinium*. On the coast of the Pacific Ocean. June 20. 1806.

Pursh, Fl. 283. On the falls of Columbia and near the western Ocean. M. Lewis. 1/2. May, June. v.s. in Herb. Lewis nec non Banks.

Vaccinium myrtillus, L.

New species - With a purple small
berry eatable - an evergreen. Fort
Clatsop - June 20, 1806.

Vaccinium ovatum, Pursh.

Pursh, Fl. 290. On the
ashrub of 7 or 8 feet high, sup- Columbia river. M. Lewis.
posed to be a species of *Vaccinium* 5. May.
The berries are eaten by the natives.

On the Pacific Ocean - Fort Clatsop.

June, 27. 1806.

Dodecatheon Meadea, L.

Near the narrows of the Colum-
bia R. Apr. 16. 1806.

Frasera thyrsiflora, Hook.

In moist wet- places - On
the Squamash flats. June 14.
1806. [Leaf only.]

Swertia fastigiata, Pursh, Fl.

101. On the Missouri flats,
near the Rocky-mountains.

M. Lewis. 4. July. v.s. in Herb. Lewis.

Gollomia linearis, Nutt.

Rockford Camp. Apr. 17. 1806.

Silia aggregata, Spreng.

(On hungry creek, June 26, 1806.

[Flowering stem.]

Gentia aggregata

Pursh, Fl. 147. On the banks of

the Mississippi. M. Lewis.

8th. June. v.s. in Herb. Lewis.

Polemonium caeruleum, L.

Head waters of the Kooskoosky.

June 27. 1806.

Phacelia circinata, Jacq.

Root fibrous, plant from 3-4
feet high; dry situation. On the
Kooskooskee. June 9. 1806.

[Poor specimen.]

Phacelia heterophylla, Pursh, Fl.

140. On dry hills on the banks
of the Kooskoosky. M. Lewis.

8th. June, July. v.s. in Herb.
Lewis.

Phacelia menziesii, Torr.!

Rocky camp. Apr. 17. 1806.

Hydrophyllum lineare, Pursh,

Fl. 134. On the banks of the Mis-
souri. M. Lewis. 24. April. v.s.
in Herb. Lewis. [Specimen in
Herb. Philad. Acad. showing
flowers and leaves, root annual,
not perennial.]

Plagiobothrys Tenellus, Gray.

Rocky Camp. Apr. 17. 1806.

Krynitskia sp.?

Rocky camp. Apr. 17. 1806.

Nicotiana quadrivalvis, Pursh.

No. 45. Specimen of the Ricara's
tobacco taken 12th of Oct. 1804.
12th of Oct. at the Ricara's town.

This is the tobacco which they
cultivate.

Pursh, Fl. 141. Cultivated and
spontaneous on the Missouri,
principally among the Mandan
and Ricara nations. O. July.
v.v.; v.s. in Herb. Lewis nec
non Nuttall. The Tobacco pre-
pared from it is excellent. The
most delicate tobacco is prepared
by the Indians from the dried
flowers.

Collinsia parviflora, Dougl.

Rockford Camp. April 17. 1806.

[From size of corolla apparently
C. parviflora rather than *C. violacea*
as placed by Gray, yet identity
is not certain.]

Antirrhinum Tenellum, Pursh,
Fl. 421. On the banks of the Mis-
souri. M. Lewis. O. July. v.v.;
v.s. in Herb. Lewis.

Mimulus luteus, L.

(On the waters of Clark's River.

July 4, 1806. [Indifferent speci-
mens but showing stem, leaves

& flowers - upper portion of the

plant is not glabrous as described

by Pursh, l.c. but finely and

densely glandular-pubescent.]

Pursh, Fl. 426. On the banks

of Clark's river. M. Lewis.

On the north west coast, Pallas.

21. July, Aug. v.s. in Herb.

Lewis nec non Lambert.

Oriticarpus tenuifolius, Benth.

Valley of Clark's R. July 1, 1806.

[A good specimen, showing the

root to be distinctly annual,

not perennial as described. The

color of the flower is not shown.]

Bartsia tenuifolia, Pursh, Fl.

429. On the banks of Clark's

river. M. Lewis. 21. July. v. s.

in Herb. Lewis.

Pedicularis Groenlandica, Retz.

On the low plains on the Heath of

Clark's R. July 6, 1806.

P. uncinata, Willd. [Pursh named

this *P. uncinata*, Willd. (Siberian)

on his label, but evidently dis-
covered his error before publication as in

his Flora he gives *P. Groenlandica*.]

Pursh, Fl. 426. In low plains

of the Columbia. M. Lewis. 21.

July. v.s. in Herb. Lewis nec

non Lambert.

Pedicularis scopolorum, Gray?

On the low plains on the Heath
of Clark's River. July 6. 1806.

P. elata, Pursh (not Willd.) Fl. 425.

In the low plains, on the waters
of Clark's river. M. Lewis. 4. July.
v.s. in Herb. Lewis. [*P. elata*,
Pursh, not Willd. has been doubt-
fully referred to *P. bracteosa*, Benth.
but it is certainly different. It
has purple flowers as described, but
the calyx is not glabrous but pubes-
cent. In all characters shown it
agrees well with *P. scopolorum*, Gray,
notwithstanding difference in
distribution and altitude.]

Pentstemon diffusus, Dougl.

Camp on the Kooskoosky. May

20. 1806.

Synthyris reniformis, var.
major, Hook. On Hungry
Creek, June 26. 1806. [Does not
well agree with *Veronica reni-
formis*, Pursh (ex char.) Fl. 10,
for that is said to have a creep-
ing stem, opposite leaves and
alternate peduncles, and to have
been collected in boggy soil on
the banks of the Missouri.]

Salvia lanceolata, Willd.
Big bend of Missouri, Sept. 21,
1804. [Good specimen.]

Scutellaria angustifolia, Pursh.
On the Kooskooskee, June 5, 1806.

Oxybaphus myctaginensis, Sweet.
Open plains. Sept. 1. 1804.
[Fairly complete.]

S. trichostemoides, Pursh, Fl.
19. In open plains of the Missouri
river. M. Lewis. O. v.s. in
Herb. Lewis.

Pursh, Fl. 412. On the river.
Kooskoosky. M. Lewis. H.
June. v.s. in Herb. Lewis.

Allionia ovala, Pursh, Fl. 97.
On the plains of the Missouri, M.
Lewis. O. Aug. v.s. in Herb.
Lewis.

37
Atriplex canescens, James.
Sept. 21, Big bend of the
Missouri. Sept. 21. 1804.

Calligonum canescens, Pursh,
Fl. 370. In the plains of the
Missouri, near the Big-bend.
1. July, Aug. v.s. in Herb.
Lewis.

Atriplex Nuttallii, Wats.
A half shrub from the high
plains of Missouri, July 20. 1806.

Sarcobatus maculatus, Torr.
A small branching shrub from
the plains of Missouri, July
20. 1806.

Polygonum bistortoides, Pursh.
Polygonum, near to *Bistorte*. In
moist grounds on quamash flats,
June 12. 1806. [Leaves and
inflorescence.]

Pursh, Fl. 271. In low grounds
on the banks of the Missouri, called
Quamash-flats. M. Lewis. 4.
June, v.s.

Eleagnus argentea, Pursh. Pursh, Fl. 114. In the extensive Silver tree of the Missouri, From plains on the banks of the the prairie of the knobs. July 6, 1806. Missouri. M. Lewis and T. Nuttall

2. July. v.s. in Herb. Lewis.

Missouri silver tree.

Shepherdia argentea, Nutt.

Pl. No. 39. It obtained at the mouth of the river Quicorre from which place upwards it is abundant; in the Mis-

souri bottoms it is a pleasant twig to eat. it has much the flavor of the cranberry and continues on the bush through the winter. This is an evergreen shrub. Some plants are sent down by the large to the care of Capt. Stoddard at St. Louis. From the mouth of the river Quicorre & from there upwards in all the Missouri bottoms. The berry pleasant acid like cranberry & hang on all winter. Evergreen.

Hippophae argentea, Pursh

Fl. 115. On the banks of the Missouri. M. Lewis. 2. v.s. in Herb. Lewis.

Euphorbia heterophylla, L.

No. 38. 1804. Oct. 4. the growth of
the High Prairies or plains. High
prairies & plains. Oct. 4. 1804.

E. cyathophora, Pursh (not Willd.)

Fl. 605. On the banks of the
Mississippi. 2. ①. June, July.

Euphorbia marginata, Pursh.

On the Yellowstone River, July
28, 1806.

Pursh, Fl. 607. On the Yellow-

stone river. M. Lewis. ①. July,
v.s. in Herb. Lewis.

Maclura aurantiaca, Nutt.

[No label - sterile specimen.]

Betula?

Black Alder of the Pacific Ocean,
grows to a large size. March 26,
1806. [Specimens consist only of
fragmentary sterile catkins.]

Quercus Garryana, Dougl.

A sort of white Oak - Columbia.

March 26, 1806.

Quercus macrocarpa, Michx.

No. 34. The leaf of Oak which is common to the Prairies. 5 Sept:

1804. Common to the Prairies.

Sept. 5, 1804.

Populus monilifera, Ait.

Cotton tree of the Mississippi

& Missouri. Aug. 1806.

P. angulata, Pursh (not Willd.)

Fl. 619. It is known by the name of Mississippi Cotton Tree. [Lewis' specimen not mentioned.]

Populus Trichocarpa, Torr. & Gray.

Cotton tree of the Columbia

River. June, 1806.

Calyptro borealis, Salisb.

Waters of hungry creek. Rocky mountain. June 16, 1806.

Pursh, Fl. 593. On the Columbia

river. M. Lewis. 4. May, June. v.s. in Herb. Lewis.

Iris Missouriensis, Nutt. [so

far as fragmentary specimen shows.] A pale blue species of Missouri. M. Lewis. 4. July. Flag. Prairie of the Knobs. July 5, 1806. v.v.; v.s. in Herb. Lewis.

Iris Sibirica, Pursh (not Willd.)

Fl. 30. On the banks of the

Missouri. M. Lewis. 4. July.

v.v.; v.s. in Herb. Lewis.

Allium sp.? (On the waters of the Kooskooskee. Apr. 30. 1806. [Very poor sterile specimen.]

[Perhaps a part of] *A. angulosum*, Willd. of Pursh Fl. 223. On the banks of the Missouri. M. Lewis and Nuttall. 4. July. v. s. in Herb. Lewis.

Brodiaea Douglasii, Wats.

Hyacinth of the Columbia plains. Apr. 20. 1806. [Good specimen.] [Watson's synon. wrong Proc. Am. Acad. xiv. 238, where Pursh's *grandiflora* is placed under *laeta*.]

B. grandiflora, Pursh (not Smith)

Fl. 223. (On the plains of the Columbia and Missouri rivers.

M. Lewis. 4. Apr. May. v. v.

Calochortus elegans, Pursh.

A small bulb of a pleasant flavour eat by the natives.

On the Kooskooskee, May 17. 1806.

[Small specimen - 1 leaf and 1 flower. Specimen depauperate in manner of var. *mannii*, Wood, but petals obtusish and not ciliate.]

Pursh, Fl. 240. On the head waters of the Kooskoosky.

M. Lewis. 4. May. v. s. in Herb. Lewis. The roots are eaten by the natives.

Tamassia esculenta, Lindl. *Phalangium Quamash*, Pursh,
near the foot of the Rocky Mount. Fl. 226. On the upper part of the
ain on the Quamash flats. June Missouri, near the Rocky mountain.
23. 1806. [Good specimen.] M. Lewis. H. June, U.S. in Herb. Lewis.

Erythronium grandiflorum, Pursh. Fl. 231. On the Koos-
Aquamone bulb. On the waters of kooskey. M. Lewis. H. May,
the Kooskooskee, June 5. 1806. June, U.S.
[In different specimen with one
good flower and a poor leaf.]

Erythronium grandiflorum,
var. *parviflorum*, Wats.
From the plains of the Columbia
near Kooskooskee Riv. May 8, 1806.
The natives reckon the root
unfit for food. [3 flowers and
one leaf-bearing stem. Probably
the Missouri specimen of *E.*
lanceolatum, Pursh, Fl. 230.]

Fritillaria lanceolata, Pursh.
 Specimen of a liliaceous plant
 obtained on Brant Island, 10th
 of Apr. 1806, the root of this plant
 is a squamus bulb, and is eaten
 by the natives. The Clak-cle-
 lar, opposite this island, call
 it Tel-lak-thil-pah.
 [Complete specimen.]

Fritillaria pudica, Spreng.
 Plains of Columbia near the
 Kooskooskee, May 8. 1806. The
 bulb in the shape of a biscuit
 which the natives eat. [Complete
 specimen corresponding well
 with Pursh's figure.]

Trillium ovatum, Pursh.
 Columbia River near the rapids
 Apr. 10, 1806. [Upper portion
 of plant.]

Pursh, Fl. 230. On the head
 waters of the Missouri and
 Columbia. M. Lewis. 4. July.
 v.s.

Lilium? *pudicum*, Pursh, Fl.
 228, t. 8. On the head-waters of
 the Missouri. M. Lewis. 4. May.
 v.s. in Herb. Lewis.

Pursh, Fl. 245. On the rapids
 of the Columbia river. M. Lewis.
 4. April. v.s.

Trillium petiolatum, Pursh.
folium. The flowers brown
 with a fruit of brick red. On
 the waters of the Kooskoosky.
 June 15, 1806. [Excellent specimen.]

Pursh, Fl. 244. On the waters
 of the Kooskoosky. M. Lewis.
 4. June. v.s.

Veratrum viride, Ait. or *V.*
Californicum, Dur. A plant
 growing in wet places with
 a single stem & leaves clasping
 round one another, no flowers
 observed. (On the Kooskoosky.
 June 25, 1806. [Single leaf only.]

Xerophyllum tenax, Nutt.
 The leaves are made use of by
 the natives to make baskets
 and other ornaments. On high
 land, Rocky mountains, June
 15. 1806.

Helonias tenax, Pursh, Fl.
 243. On high lands near
 the Rocky mountains.
 M. Lewis. 4. June, v.s.

Zygadenus elegans, Pursh.

On the Cokalaishkit-R. July 7,
1806.

Pursh, Fl. 241. On the waters of
the Cokahlaishkit-river, near
the Rocky-mountains. M. Lewis.
4. July. v.s. in Herb. Lewis.

Aira brevifolia, Pursh.

The most common grass through the Missouri, M. Lewis. 4. June,
the plains of Columbia & near
the Kooskooskee R. June 10, 1806.
Poa trivialis, L. var. [Fair specimen.]

Pursh, Fl. 76. In the plains of
July. v.s. in Herb. Lewis. This
grass is the most common in
those plains.

Hordeum jubatum, L.

Called the golden or silken
Rye. On the white bear Islands
on the Missouri. July 12, 1806.

Pursh, Fl. 89. On the islands of
the Missouri river. M. Lewis. 1.

July. v.s. in Herb. Lewis and Lambert.

Hordeum jubatum, L.

Grass common to the open
grounds near Fort Clatsop.

March 13, 1806.

Pursh, Fl. l.c.

Festuca ovina, L. var.

On the plains of Columbia.

June 10, 1806.

Festuca duriseta, Pursh,

Fl. 83? [But Lewis' specimen
not mentioned.]

On the plains of the Columbia.

June 10, 1806.

Festuca spicata, Pursh, Fl. 83.

On the waters of the Missouri
and Columbia rivers, June.

v.s. in Herb. Lewis.

Koeleria cristata, Pers.

On the plains of the Columbia &c.

June 10, 1806.

Pursh, Fl. 85. On the plains

of the Columbia river. M. Lewis

24. July. v.s. in Herb. Lewis.

Stipa spartea, Trin.

Valeys of the Missouri on the

Rocky mountain July 8, 1806.

Stipa juncea, Pursh (not L.) Fl.

72. On the banks of the Missouri.

M. Lewis. 24. Aug. v.s. in Herb.

Lewis.

Gigantia aquatica, L.

No. 59. 8th Sept. the growth
of moist and very wet prairies.

[Sterile specimen of a coarsegrasse.
No label.]

Pinus ponderosa, Dougl.
On the Kooskooskee. On river
bottoms in rich land, west of
the mountains. Oct. 1. 1805.

[Leaves only.]

Juniperus communis, L.
no. 47. A species of juniper
common to the bluffs. Oct. 17,
Common to the bluffs, Oct. 17. 1804.

Juniperus communis, L. var.
alpina, Gaud. Dwarf
juniper - Rocky mountain
July 7, 1806.

Juniperus communis, L. var.
depressa, Pursh, Fl. 646.

[Lewis' specimen not mentioned.]

Juniperus occidentalis, Hook.

No. 58. Found 2nd Oct. 1804. A species of Cedar found on the Bluffs the trees of which are large some of them 6 feet in the girth. On the bluffs, some trees 6 feet in girth

Oct. 2. 1804.

Juniperus Sabina, var. β
procumbens, Pursh.

Dwarf cedar never more than 6 inches high, open prairies -
Oct. 16, 1804. [Small sterile specimen.]

Equisetum arvense, L.

No. 31. growth of the sand bank near the banks of the river taken the 10th of Aug. 1804.

Sandbanks of the Missouri

Aug. 10. 1804.

Juniperus spicata, Pursh

(not Marshall von Bieb.) Fl. 647.

On the banks of the waters of the Rocky-mountain. M. Lewis. T. May. v.s. in Herb. Lewis.

Pursh, Fl. 647. within the Rocky-mountain. M. Lewis. T. v.s. in Herb. Lewis. not above 6 inches high.

Aspidium spinulosum, Sw.

Polypodium species. Fort
Clatsop. June 20, 1806.

Lomaria spicant, Desv.

Fort Clatsop. June 20, 1806.

Blechnum boreale, Pursh (not

Willd.) Fl. 669. On the north
west-coast. M. Lewis. H. Aug.
U.S. in Herb. Lewis.

Hypnum.

A species of moss from Fort
Clatsop. June 20, 1806.

A moss used by the natives as
a yellow dye grows on the
Pines of the Rocky mountains.

July 1, 1806.

Egregia Mengesii (Turn.) Aresch.

(*Phyllospora Mengesii*.)

Fucus. - From the mouth of
the Columbia River on the
Pacific Ocean. Nov. 17, 1805.

[Loose label with *Pinus*
Sambucifolius? but date differ-
ent.] no. 24. found the 4th day
of Sept. 1805. a small growth
only rising to the height of 15
feet; moist situations it seems
to prefer - it is a handsome
growth.

[Label only.]

The root not eaten by the natives

On the Columbia, April 14, 1806.

[Sterile and unidentified.

stem lignescent, leaves opposite,
narrow, linear, fascicled in axils,

A shrub about 4 feet high. (On
the plains of Columbia, May

7. 1806.

